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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/058,451	01/28/2002	Takashi Sasaki	020801	4261

7590

09/09/2004

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EXAMINER

RAO, SHEELA S

ART UNIT

PAPER NUMBER

2125

DATE MAILED: 09/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/058,451

Applicant(s)

SASAKI ET AL.

Examiner

Sheela Rao

Art Unit

2125

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 January 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10, 14 and 15 is/are allowed.
- 6) ☒ Claim(s) 1, 4, 7, 11 and 17-18 is/are rejected.
- 7) ☒ Claim(s) 2, 3, 5, 6, 8, 9, 12, 13 and 16 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-18 are presented for examination. Claims 11 and 14-18 have been amended by preliminary amendment filed on 28 January 2002. The amendments have been entered and considered

Drawings

2. Figures 1-4 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities:

The disclosure consists of many instances of incomplete sentence structures; which does not enable the reader to clearly understand or comprehend the intentions of the invention. Applicant is advised to reread the specification and correct any/all grammatically incorrect sentences that are found. Furthermore, on page 4 of the disclosure, three equations, namely Eq. 5, 6, & 7, are stated. No other equations have been listed prior to 5, 6, & 7. The numbering of these equations presents an impression that other equations are used and present in the instant invention. The Examiner suggests modifying the numbering of the current equations to 1, 2, & 3

Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1, 4, 7, 11, and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Mori (USPN 5,718,060).

Mori teaches of a method and apparatus for stimulating the effect of varying the pressure of steam supplied to steam-heated drums of a paper machine on the moisture contact of a web product to obtain a dried web product. Furthermore, the patented invention also relates to a method of controlling the moisture content of a web so that the moisture content is adjusted to a desired content when a grade of a web product should be changed.

In particular, Mori teaches the limitations of instant claim 1 in column 2 at lines 20-38, wherein the factors for solving the equations for heat transfer are set forth and used in calculations.

As for claim 4, the patented invention teaches the "block's" for controlling the paper machine in column 3 beginning at line 40 through column 4: line 62.

With regard to claim 7, Mori discloses the method of calculating, evaluating and controlling of the paper machine in column 1: line 34-55 and column 6 beginning at line 6 through column 8: line 61.

The factors taken into consideration for calculation as per the limitations of instant claim 11 are taught by Mori beginning at column 8: line 62 et seq.

The method as claimed by instant claim 17 along with the system for such by instant claim 18 is clearly disclosed by the reference of prior art beginning at column 12: line 22 through column 12: line 4.

The limitations of the instant invention are fairly taught and anticipated by the reference of prior art as disclosed by Mori to the extent of the claimed invention.

Allowable Subject Matter

6. Claims 2-3, 5-6, 8-9, 12-13, and 16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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7. Claims 10, 14, and 15 are allowed.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheela Rao whose telephone number is (703) 305-9766. The examiner can normally be reached Tuesday - Thursday from 9:00 am to 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard, can be reached on (703) 308-0538.

Any response to this action should be mailed to:

**Commissioner of Patents and Trademarks
Washington, D.C. 20231**


or faxed to:

(703) 872-9306 for Official Communications

hand-delivered responses should be brought to:

**Receptionist - Sixth Floor
Crystal Park II, 2121 Crystal Drive, Arlington, Virginia**

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.


Sheela S. Rao
August 25, 2004



**LEO PICARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100**